

PLAYING GUIDE / TIPS ZUM KENNENLERNEN / METHODE / GUIA PARA TOCAR

# YAMAHA PortaSound

PSS-150

SINCE 1942



YAMAHA

# YAMAHA PortaSound PSS-150

**Thank you for purchasing a Yamaha PortaSound. Before playing your PortaSound, please read through the Playing Guide—it will help you get full enjoyment out of your instrument.**

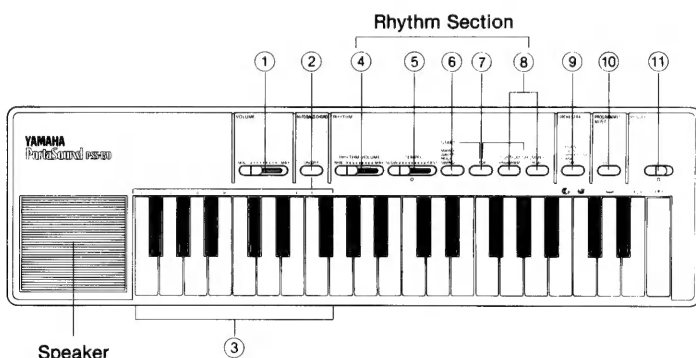
## Inserting batteries

Remove the battery compartment cover on the bottom of the instrument and insert six 1.5V SUM-2, "C" size, R-14 or equivalent batteries (sold separately), making sure that the polarities are correct. Replace the cover, ensuring that it locks securely in place.

## Optional power adaptor

**Household current:** Power Adaptor PA-1 is available for household current.

**Car battery:** Car Battery Adaptor CA-1 plugs into a car cigarette lighter socket.



## Nomenclature

- ① **Master Volume** Controls overall volume of instrument.
- ② **Auto Bass Chord** For automatic bass and chord accompaniment.
- ③ **Auto Bass Chord Key Section** Only keys in this section can obtain automatic bass and chord accompaniment.
- ④ **Rhythm Volume**
- ⑤ **Tempo Control** Adjusts speed of rhythm.
- ⑥ **Rhythm Selector** Rhythms can be selected.
- ⑦ **Stop**
- ⑧ **Custom Drummer**
- ⑨ **Instrument Voice Selector** For choosing instrument voice.
- ⑩ **Programmed Music Start/Stop** For automatic play of programmed music.
- ⑪ **Power Switch** Slide to right to switch on; lamp lights up.

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# Playing Back the **1** programmed Music

The PSS-150 is programmed with a Mozart serenade arranged from "Eine Kleine Nachtmusik". To hear the music, do the following.

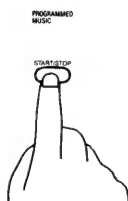
## 1. Switch On

Switch on by sliding the POWER switch ⑪ to the right. The Power-on light will light up.



## 2. Press the PROGRAMMED MUSIC START/STOP button

Press the PROGRAMMED MUSIC START/STOP button ⑩ to hear the Mozart serenade.



## 3. Adjust The Volume

Adjust the overall volume using the MASTER VOLUME control ①.



- The music will be played automatically and continuously.
- To stop the music, press the START/STOP button ⑩ again.
- The voice, rhythm and tempo have been programmed and cannot be changed.

# How to use the Orchestra and Rhythm Sections

## A) Orchestra Section

You can choose freely from among the five different instrument voices by pressing the ORCHESTRA voice selector ⑨. The instrument voice changes each time this selector is pressed, in the following order.

Organ Violin Vibraphone Piano Guitar Organ...

Adjust the overall volume by means of the MASTER VOLUME control ①.

### Notes:

1. Up to four notes can be played at the same time.
2. Delayed vibrato is built-in for the Violin voice.
3. When the programmed music stops playing, the instrument voice in which it has been played remains selected.
4. If the instrument is left unplayed for two minutes, a warning signal is given (in the Vibraphone voice) to indicate that the power has not been turned off.

## B) Rhythm Section

### 1. Choose a Rhythm

Press the RHYTHM selector ⑥ to start the rhythm. The rhythm will change in the following order every time you press this selector.

March Waltz Rock Swing March...

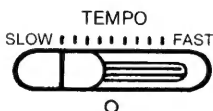
### Note:

The rock rhythm will be automatically selected immediately after the programmed music is played.

### 2. Adjustments

#### ● Tempo

Use the TEMPO control ⑤ to adjust the speed of the rhythm.



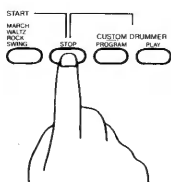
**Making use of the Tempo Light:** The Tempo Light functions as a visual metronome, making it simple for you to confirm the rhythm tempo when playing the melody. When the rhythm is playing, the light flashes at the first beat of every bar.

#### ● Volume

The RHYTHM VOLUME control ④ lets you adjust the rhythm volume in relation to the melody volume.

### 3. Stopping the Rhythm

Press STOP button ⑦ to stop the rhythm.



# Enjoying the Custom Drummer 3

The PSS-150's Custom Drummer function offers you the dual pleasure of enjoying A) your own programmed rhythm patterns and B) manual percussion.

## A) Your Original Rhythm Patterns

This function enables you create a rhythm of your own, and then store it in the memory. You can program an original pattern consisting of two bars.

### 1. Original Rhythm Selection

Select/start the rhythm suited to the kind of rhythm you want to program. For example, select March or Rock if you want to program 2/4 or 4/4 measure, and choose Waltz if you want 3/4 time. Swing is suitable for programming a triplet or 6/8 rhythm.

### 2. Programming

When the CUSTOM DRUMMER PROGRAM button is pressed, the original rhythm will be replaced by the closed hi-hat counting time. Using the five white keys on the right of the keyboard, input your own rhythm pattern while listening to this sound to ensure correct timing when programming. Each percussion sound can be input consecutively. Watch the Tempo Light to catch the first beat accurately.

#### Ex. 1 8 Beat

BASS DRUM

SNARE DRUM

CLOSED HI-HAT

OPEN HI-HAT

#### Ex. 2 Marching Drum

BASS DRUM

SNARE DRUM

OPEN HI-HAT

### 3. When you have input the rhythm, press STOP ⑦.

Now, to play back what you have programmed, press the PLAY button.

#### Notes:

1. If you make a mistake when inputting the rhythm, press the PROGRAM selector once more and then try to program the rhythm again.
2. The Custom Drummer is designed for inputting a two-bar rhythm pattern. If you have created a single-bar rhythm pattern, input it twice.
3. The hi-hat counting sound will be heard while you program, but not during playback of the rhythm you have programmed.
4. You can store just one kind of rhythm pattern at a time. If you press the PROGRAM selector, the previously programmed pattern will be erased.
5. If the power is switched off, the memory will be cleared.

## B) Manual Percussion

This function offers you the pleasure of playing five percussion instrument voices (bass drum, snare drum, closed hi-hat, open hi-hat, and bongo) by yourself, as if playing real percussion instruments.

### 1. Switch power on

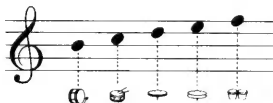
Turn off the Power Switch to erase what was previously stored in the memory, and turn it on again. (If nothing is already programmed, this switching operation is not necessary.)

### 2. Press PLAY

If you press the PLAY selector, the five white keys on the right side of the keyboard will turn into manual percussion keys.

### 3. Enjoying Manual Percussion

Tap the five white keys — to enjoy the excitement of becoming a drummer.



Ex. 1 Disco



Ex. 2 8 Beat

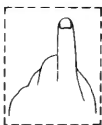


**Note:**

You can return to normal keyboard mode by pressing the STOP button.

## 4 How to Use the Auto Bass Chord Section

This feature lets you obtain a chord, bass and rhythm accompaniment simply by pressing a single key.

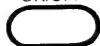


1. Choose the rhythm (see page ③ for starting the rhythm):

**2. Press the AUTO BASS CHORD selector ② .**

### AUTO BASS CHORD

ON/OFF

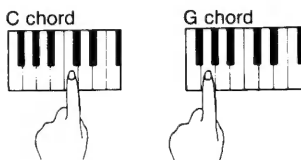


**Note:**

**Note:**  
If you have already pressed this selector before starting the rhythm, do not press again or the AUTO BASS CHORD will be turned off.

**3. Press one of the 14 keys on the left side of the keyboard.**

You will hear the corresponding chord with bass and rhythm accompaniment. For instance, when you press “C”, you’ll obtain a C major chord that strums along with the bass and rhythm.



**Notes:**

1. If no chord is obtained, press the AUTO BASS CHORD selector ② once again.

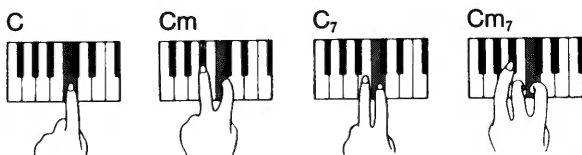
2. You must completely lift finger from the key for the chord to change. If you hold down the previous chord and move to the next one, PortaSound will not change to the correct chord.

## Merrily We Roll Along



## Obtaining Minor, Seventh and Minor Seventh Chords

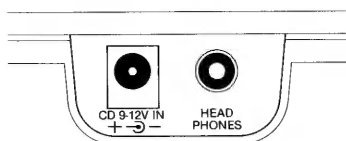
- To get a C minor chord (Cm), depress the C key together with the next black key to the left.
- To get a C seventh chord (C<sub>7</sub>) depress the C key together with the next white key to the left.
- To get a C minor seventh chord (Cm<sub>7</sub>), simply press the C key together with the next black key and white key to the left.



#### 4. To Stop Auto Bass Chord.

Press the RHYTHM STOP selector (7).

# Making Use of the Jacks



## DC 9-12V IN Jack

### ● AC power

Connect the optional AC Power Adaptor PA-1 to the DC 9-12V IN jack.

### ● Car battery

The Car Battery Adaptor CA-1 plugs into the DC 9-12V IN jack and a cigarette lighter socket.

## Headphone Jack

Connect a set of headphones to this jack and you can practice without disturbing others. Headphones with a large input jack cannot be used.

# Optional Accessories

## AC Power Adaptor (PA-1)

Transforms AC voltage to DC voltage.

## Car Battery Adaptor (CA-1)

Enables you to provide power to the instrument from a car battery using the cigarette lighter socket.

## Headphones (YH-35)

Specially designed lightweight dynamic headphones with extra-soft ear pads.

## "PortaSound Playtime" Teach-Yourself Book

Shows you the basic techniques for playing PortaSound portable keyboard. Available in English only.



*Some optional accessories and/or "PortaSound Playtime" may not be available in every region.*



# Taking Care of **7** Your PortaSound

Your PortaSound will remain in excellent playing condition if care is taken concerning the following.

1. When battery power becomes low, the instrument's sound quality may become unstable. If this occurs, be sure to replace all the batteries with new ones.
2. When you use AC power be sure to use the optional PA-1 adaptor. Before use, read the adaptor instructions carefully.
3. The optional car battery adaptor CA-1 is only for use with a negative ground 12V battery. Ensure that this is the case before connecting the adaptor.
4. Connections made between the PortaSound and any other device should be made with both units turned off.
5. Do not set the MASTER VOLUME at MAX when you connect the PortaSound to a stereo system. Use the stereo system's volume control to adjust the sound level.
6. Avoid placing the instrument in excessively humid areas.
7. Do not subject the unit to physical shock, and avoid placing anything heavy on it.
8. The PortaSound should not be placed in direct sunlight for a long time.
9. Do not place the instrument near any heating appliance, or leave it inside a car in direct sunlight for any length of time. Direct sunshine can raise the interior temperature of a car with closed doors and windows to as high as 80°C (176°F). Temperatures in excess of 60°C (140°F) can cause physical and/or electrical damage not covered by warranty.
10. Use a dry or damp cloth for cleaning.

## **8** Specifications

### **Keyboard**

37 keys (F<sub>1</sub>—F<sub>4</sub>)

### **Instrument Voices**

Organ, Violin, Vibraphone, Piano, Guitar

### **Rhythm Section**

March, Waltz, Rock, Swing

Controls: Stop, Volume, Tempo, Tempo Light, Custom Drummer Program & Play

### **Auto Bass Chord Section**

On/off (Single Finger Chord)

### **Other Controls and Indicators**

Programmed Music Start/Stop, Power Switch, Power-on Light, Master Volume

### **Auxiliary Jacks**

Headphones, DC 9—12V

### **Main Amplifier**

2W

### **Speaker**

8cm (3-1/8")

### **Rated Voltage**

DC 9V using six SUM-2, "C" size, R-14 or equivalent batteries, AC power adaptor or car battery adaptor

### **Dimensions (W x D x H)**

555mm x 160mm x 45mm (218-1/2" x 63" x 17-7/10")

### **Weight**

1.4kg (3.1lbs) excluding batteries

*Specifications subject to change without notice.*

## **FCC INFORMATION**

### **Attention users in the U.S.A.**

#### **PortaSound PSS-150 prepared in accordance with FCC rules.**

The PortaSound PSS-150 uses frequencies that appear in the radio frequency range, and if installed in the immediate proximity (within three meters) of some types of audio or video devices interference may occur.

The PortaSound PSS-150 has been type tested and found to comply with the specifications set for a Class B computing device in accordance with those specifications listed in Subpart J of Part 15 of the FCC rules. These rules are designed to provide a reasonable measure of protection against such interference. However, this does not guarantee that interference will not occur. If your PortaSound PSS-150 should be suspected of causing interference with other electronic devices, verification can be made by turning your PortaSound PSS-150 off and on. If the interference continues when your PortaSound PSS-150 is off, the PortaSound PSS-150 is not the source of the interference. If your PortaSound PSS-150 does appear to be the source of the interference, you should try to correct the situation by using one or more of the following measures:

Relocate either the PortaSound PSS-150 or the electronic device that is being affected by the interference.

Utilize power outlets for the PortaSound PSS-150 and the device being affected that are on different branch (circuit breaker or fuse) circuits, or install A/C line filters.

In the case of radio-TV interference, relocate the antenna or, if the antenna lead-in is a 300 ohm ribbon lead, change the lead-in to a coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact your Authorized Yamaha Specialty Products dealer for suggestions and/or corrective measures. If you cannot locate an Authorized Yamaha Specialty Products dealer in your general area, contact the Specialty Products Service Center, Yamaha International, 6600 Orangethorpe Ave., Buena Park, CA 90620.

If for any reason you should need additional information relating to radio or TV interference, you may find a booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402—Stock # 004-000-345-4.

The serial number of this product may be found on the bottom of the unit. You should note this serial number in the space provided below and retain this manual as a permanent record of your purchase to aid identification in the event of theft.

Model No. PSS-150

Serial No. \_\_\_\_\_

Die Seriennummer befindet sich an der Unterseite des Instrumentes. Wir empfehlen, diese Nummer sicherheitshalber an der unten vorgesehenen Stelle einzutragen, um sie im Falle eines Diebstahls jederzeit zur Hand au haben.

Modell-Nr. PSS-150

Serien-Nr. \_\_\_\_\_

Le numéro de série de ce produit figure au bas du bloc. Il conviendra de noter ce numéro de série dans l'espace réservé au-dessous et de conserver ce manuel: celui-ci constitue le document permanent de votre achat et permet l'identification en cas de vol.

Modèle No. PSS-150

No. de série: \_\_\_\_\_

El número de serie de este producto se encuentra en la parte inferior de la unidad. Sirvase anotar este número de serie en el espacio proporcionado debajo y guarde este manual como comprobante de compra para ayudar a la identificación en caso de robo.

N° de modelo PSS-150

N° de serie \_\_\_\_\_

### **Concerning Warranty**

This product was made for international distribution, and since the warranty for this type of product varies from marketing area to marketing area, please contact the selling agency for information concerning the applicable warranty and/or service policies.

### **Hinweis zur Garantie**

Dieses Product wird international vertrieben, und die Garantiebedingungen sind von Vertriebsland zu Vertriebsland verschieden. Ihr Händler gibt Ihnen gerne genauere Informationen zu den in Ihrem Land gültigen Garantie- und/oder Servicebedingungen.

### **Remarque relative à la garantie**

Ce modèle est destiné à être distribué à l'échelle internationale. Etant donné que les conditions de garantie pour ce type de produit varient en fonction des zones de commercialisation, prière de prendre contact avec l'agence chargée des ventes pour tous renseignements relatifs aux conditions de garantie et de service après-vente.

### **Concerniente a la garantía**

Este producto ha sido fabricado para ser distribuido internacionalmente y, como la garantía para este tipo de producto varía en relación a su área de comercialización, sirvase consultar con el agente de ventas sobre la información en torno a la garantía aplicable y/o políticas de servicio.

SINCE 1887



**YAMAHA**

NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN